

IFW

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NUMBER YPL-0067 SERIAL NUMBER 10/698,507 FILED 10/31/2003

FIRST INVENTOR: Yoon-Kyoung CHO TITLE METHOD AND APPARATUS FOR DETERMINING ZETA POTENTIAL USING ALTERNATING CURRENT ELECTRIC FIELD AND

T CHANNEL EXAMINER Marcus Kirk ART UNIT 2856

1. ☒ Applicant submits herewith a copy of (a) attached form PTO-1449, which lists all patents, publications, applications, or other information submitted for consideration by the Office; (b) a legible copy of each document required by 37 C.F.R. §1.98(b)(2).
2. ☐ Applicant herein apprises the Patent Office of references cited in a parent U.S. application from which this application obtains the benefit of an earlier filing date under 35 U.S.C. §120. The Serial Number of the parent application is U.S. Application _____ filed _____ and entitled _____.
The publications cited therein are listed on attached Form PTO-1449. In accordance with 37 C.F.R. §1.98(d) copies of the listed publications are not required. ☐ Additional parent patent applications are listed on an attached sheet.
3. ☒ In accordance with 37 C.F.R. §1.98(a)(3), Applicant hereby certifies that for each reference not in English (check at least one box below):
☐ A copy of a translation of one or more non-English document, or portion thereof, is provided herewith;
☒ A concise explanation is (check at least one box below):
☐ provided in the accompanying foreign or international search report; ☐ incorporated into the specification; and/or ☒ provided herewith.

37 C.F.R. §1.97(b)(1), (b)(2) – WITHIN 3 MONTHS OF FILING OR ENTRY IN NATIONAL STAGE

4. ☐ Since this Information Disclosure Statement is being filed within three months of the filing date of the subject application or within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application, no fee or certification under 37 C.F.R. §1.97(e) is required.

37 C.F.R. §1.97(b)(3), (b)(4) – PRIOR TO MAILING OF FIRST OFFICE ACTION OR FIRST ACTION AFTER REQUEST FOR CONTINUED EXAMINATION

5. ☒ Since this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114, no fee or certification under 37 C.F.R. §1.97(e) is required.

37 C.F.R. §1.97(c) – AFTER FIRST ACTION, BEFORE FINAL ACTION OR ALLOWANCE

6. ☐ Since this Information Disclosure Statement is being filed outside of the period provided for in 37 C.F.R. §1.97(b), but before the mailing date of a Final Rejection or Notice of Allowance, this submission is being accompanied by (one of the following boxes must be checked):
- a. ☐ the fee required under 37 C.F.R. §1.97(c)(2) and specified in 37 C.F.R. §1.17(p).
- b. ☐ the statement specified in 37 C.F.R. §1.97(e) (Box 8 or 9 must be checked).

37 C.F.R. §1.97(d) – AFTER FINAL REJECTION OR ALLOWANCE

7. ☐ Since this Information Disclosure Statement is being filed after the period specified in 37 C.F.R. §1.97(c), but on or before payment of the issue fee and is accompanied by both the statement specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p). (Box 8 or 9 must be checked.)
8. ☐ In accordance with 37 C.F.R. §1.97(e)(1), Applicant's attorney certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. ☐ The foreign or international search report(s) is/are enclosed.
9. ☐ In accordance with 37 C.F.R. §1.97(e)(2), Applicant's attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of the information disclosure statement.
10. ☒ In the event the Commissioner of Patents deems that any additional fee is required under 37 C.F.R. §§ 1.16 or 1.17 in connection with this application, Applicant's attorneys authorize that such fee be charged to Deposit Account No. 06-1130.
11. Consideration of this Information Disclosure Statement is respectfully requested.

Name:	<u>Soonja BAE</u>	Registration Number	<u>See Attached</u>
Signature		Date	<u>February 14, 2005</u>

CERTIFICATE OF MAILING OR TRANSMISSION: I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or [] facsimile transmitted to the U.S. Patent and Trademark Office to Facsimile No. _____ on the date shown below.

Name	<u>Paula Currie</u>		
Signature		Date	<u>February 14, 2005</u>

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): YOON-KYOUNG CHO

Docket No.

YPL-0067

Application No.

10/698,507

Filing Date

10/31/2003

Examiner

Marcus Kirk

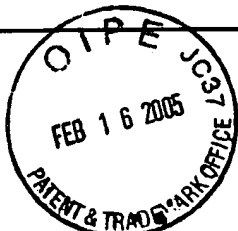
Customer No.

23413

Group Art Unit

2856

Invention: **METHOD AND APPARATUS FOR DETERMINING ZETA POTENTIAL USING ALTERNATING CURRENT ELECTRIC FIELD AND T CHANNEL**



I hereby certify that this **Limited Recognition Under 37 CFR Sec. 119(b) (1 pg);**
IDS (1pg); Form PTO-1449 w/6 cited refs., (1 pg); Post Card receipt
(Identify type of correspondence)

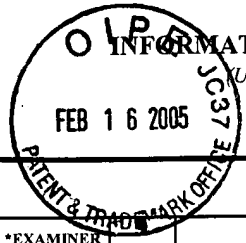
is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on
February 14, 2005
(Date)

Paula Currie

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

**INFORMATION DISCLOSURE CITATION***(Use several sheets if necessary)*

Docket Number (Optional)

YPL-0067

Application Number

10/698,507

Applicant(s)

Yoon-Kyoung CHO, et al.

Filing Date

10/31/2003

Group Art Unit

2856**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,051,124	4/18/2000	Aoki	204	600	9/29/1997
		3,454,487	7/8/1969	Thomas M. Riddick	204	299	6/8/1964
		4,602,989	7/29/1986	Culkin	204	180.1	9/17/1985

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		GB 2 368 904 A	5/15/2002	GREAT BRITAIN				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		"DETERMINATION OF THE ZETA POTENTIAL AND THE SURFACE CONDUCTIVITY BY STREAMING POTENTIAL AND STREAMING CURRENT MEASUREMENTS" Authors: Ralph Zimmermann, Wolfgang Jenschke, Heinz Korber, Carsten Werner; Technisches Messen TM, R. Oldenbourg Verlag. Munchen, DE, vol. 67, no. 9, September 2000, pages 353-360, XP001132480, ISSN: 0171-8096
		EUROPEAN SEARCH REPORT OF EP 03 02 6144; DATE OF COMPLETION OF THE SEARCH: December 15, 2004

EXAMINER**DATE CONSIDERED**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.